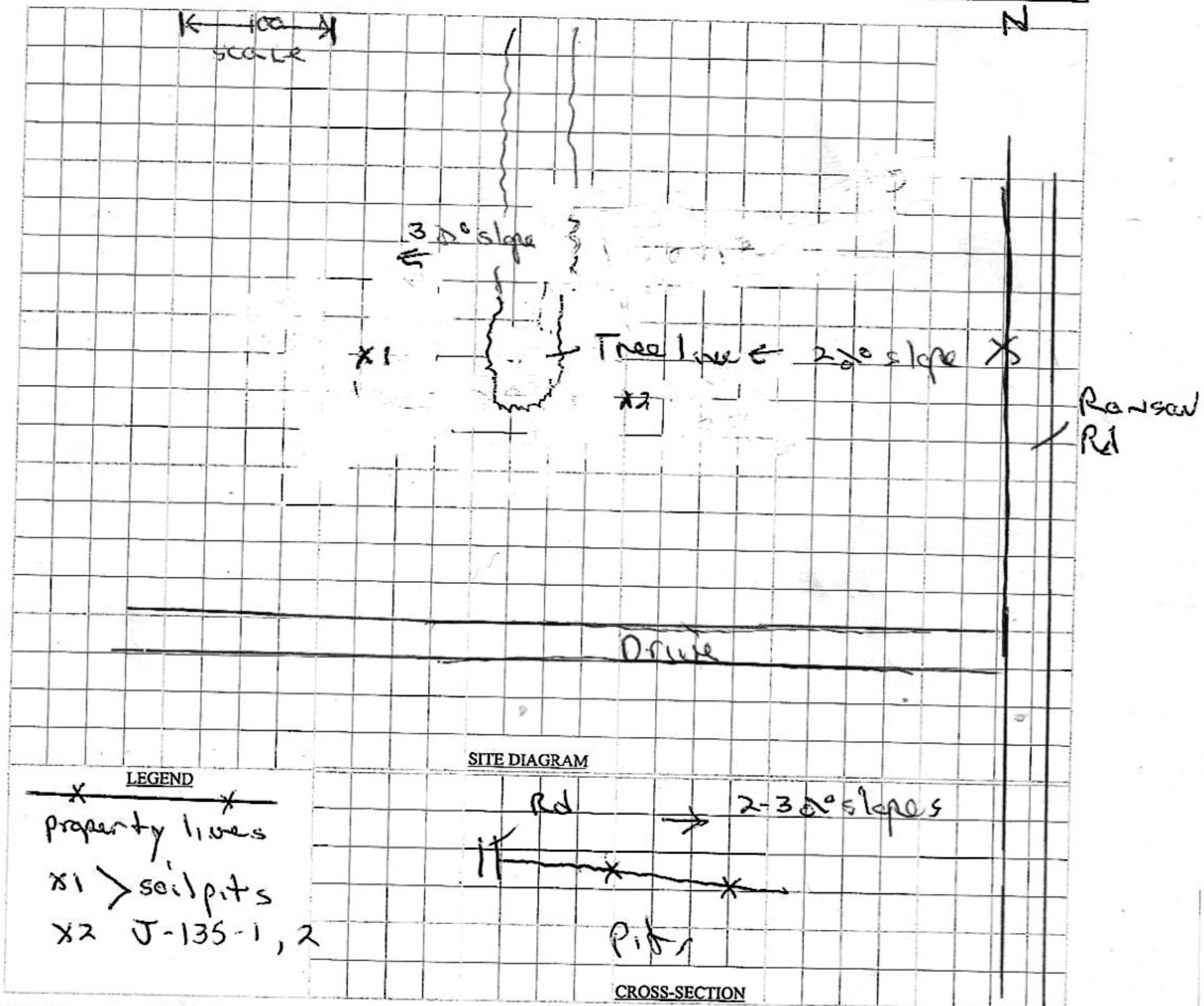


OFFICIAL USE - APPLICATION # _____
SITE EVALUATION for ONSITE SEWAGE SYSTEM

Property Owner: Wet Environmental Date: 5-20-21
 Site Address: 2340 SE Ransom Rd Mailing Address: _____
Lees Summit, MO
 Subdivision, Lot: _____ Day() - Evening() -
 County: Jackson Legal Location: 1/4 1/4 1/4 S T R
 Residence - # Bedrooms: _____ # People _____ Latitude: 38.0755784 Longitude: -94.3426838
 Business - Type: _____ Design flow: _____ gpd; System is: New Replacement Repair



Site Diagram and Cross-Section: Show relative location of buildings, wells, roads, rock outcrops, depressions, sinkholes, location of soil observations, etc. Indicate the evaluated area(s) and direction of slope.
 (Property lines, easements, buried utilities, etc., are as observed, or as reported by property owner)

SITE CLASSIFICATION for ONSITE SEWAGE SYSTEM – 19 CSR 20-3.060(2) & (7)

Owner: 2340 SE Ransom Rd Pit/Core # 5-135-1 Date: 5-20-21

Suitability See recommendations below S – Suitable; PS – Provisionally Suitable; U – Unsuitable; for conventional system.

S **LANDSCAPE POSITION:** upland back slope Slope aspect: W
Flooding frequency: None ☒ Rare ☐ Occasional ☐ Frequent ☐ Surface depression(s) in evaluated area? N/O
S **& TOPOGRAPHY** Percent Slope: 2-3 Slope Type: Uniform ☒ Complex ☐
Shape across (contour): linear Shape down (profile): linear

SOIL CHARACTERISTICS (See Profile Description for details)

PS **TEXTURE** to a depth of 28 inches Depth of unsuitable texture 28 inches
PS **STRUCTURE** to a depth of 54 inches Depth of unsuitable structure _____ inches
PS **SOIL DRAINAGE** Type of water table: perched Depth to water table 28 inches
S Surface drainage limitations: - Runoff slope length 7100 feet
S **SOIL THICKNESS** Depth of bedrock: > 54 inches Rock outcrops? N/O
S **RESTRICTIVE HORIZON** Type: - Depth: - Thickness: -
S **AVAILABLE SPACE** Estimated space available: > 6,000 sq ft
S Adequate for a conventional system? YES an alternative system? YES replacement area? YES
OTHER FACTORS Note any environmental hazards: N/O
High groundwater contamination potential? (If yes, indicate reason): NO
Sinkhole ☐ Rapid permeability ☐ Depth to highly permeable bedrock ☐ Fill material /depth ☐

PS **OVERALL** Notes: _____

Overall site classification will be determined by the lowest of the uncorrectable characteristics.

- **S** An overall site classification of **suitable** indicates soil and site conditions favorable for the operation of a conventional absorption system.
- **PS** Sites classified as **provisionally suitable** require some modifications and careful planning, design, and installation for a conventional system or alternative system to function satisfactorily.
- **U** Sites originally classified as **unsuitable** may possibly be reclassified as **provisionally suitable** according to subsection (7)(K).
- An **unsuitable** site may be used for soil absorption systems, provided engineering, hydrogeologic and soil studies indicate to the administrative authority that a conventional or alternative system could be expected to function satisfactorily. These sites may be reclassified as **provisionally suitable** upon meeting the requirements of the administrative authority according to subsection (6)(K).

Recommendations* associated with Provisionally Suitable or Unsuitable classifications:

- ☒ Trenches must not be dug when wet to prevent damaging soil/trench surfaces.
- Surface water diversion is needed.
- An interceptor drain should be installed upslope at a depth of _____ inches.
- ☒ Shallow or modified shallow placed trenches should be installed at a depth of _____ inches.
- ☒ An alternative/engineered system is needed to overcome site limitations.
- 2-15 LPP chart load rate to 28 inches
- gray colors indicative of water parking 28 inches
- See page 4

Owner:

2340 SE Rand Rd

SOIL PROFILE DESCRIPTION

Date: 5-20-21

SOIL CHARACTERISTICS

Excavation Depth: 54

Pit (required for new installation) or Core #: J-135-1

Vegetation:

Parent Material:

loss

over shale resid

Suitability (S, PS, U)	Horizon		Munsell Color (moist)	Redoximorphic Features ⁽⁷⁾	Texture		% Coarse Fragments by volume		Consis- tence ⁽⁸⁾	Structure ⁽⁹⁾	Roots /Pores ⁽⁶⁾	Shrink /Swell	Soil Group	Application Rate	
	Designation	Depth/ Boundary ⁽¹⁾			USDA ⁽⁵⁾	% Clay	<3"	>3"						Conv. (Table 13)	LPP (Table 14)
PS	Ap	0-8	3/2		sic	27	-	-	mtc	argr	ME	h	III		.2
PS	A	8-16	3/2		sic	22	-	-	Mfi	2v f s BK	ME	l	III		.2
PS	Bt1	16-28	4/6	K03/2 c f s c18/4/2 s	sic	35	-	-	Mfi	2v f s BK	ME	M	III		.15
US	Bt2	28-40	5/6	F18/5/2 s K18/4/2 s	sic	40	-	-	Mfi	1 m pr 1 v f s BK	ME	H	III		US
US	Bt3	40-54	5/6	c18/5/1 s	sic	44	-	-	Mfi	1 v f s BK	ME	H	III		US

Notes

Pit 2 is similar, 24" to IVB layers and gyps

Notations used on Soil Profile Description

- (1) Boundary distinctness: A-abrupt, C-clear, G-gradual; topography: S-smooth, W-wavy, I-irregular;
 (2) Redox Features Report low chroma Munsell colors and iron and manganese concentrations indicative of soil drainage limitations;
 (3) Texture s-sand, ls-loamy sand, sl-sandy loam, l-loam, sil-silt loam, si-silt, scl-sandy clay loam, cl-clay loam, sic-silty clay loam, sc-sandy clay, sic-silty clay, c-clay; Designate estimated clay content for all horizons;
 (4) Consistence (report moist consistence) moist: fr-friable, fi-firm, vf-very firm; wet: ss-slightly sticky, s-sticky, vs-very sticky and sp-slightly plastic, p-plastic, vp-very plastic; dry: sh-slightly hard, h-hard, vh-very hard;
 (5) Structure grade: 1-weak, 2-moderate, 3-strong; size: f-fine (thin if platy), m-medium, c-coarse (thick if platy); shape: ABK-angular blocky, SBK-subangular blocky, GR-granular, PL-platy, PR-prismatic, MA-massive;
 (6) Roots/Pores abundance: f-few, c-common, m-many; size: vf-very fine, f-fine, m-medium, c-coarse.

Owner:

2340 Rawson Rd

Date

5-20-21

Comments/Recommendations

need engineer design
 2-15 LPP chart load rate to 28 inches
 Gray colors indicative of water perching > 28 inches
 See page 2

*Recommendations are to assist the property owner, and their agents in complying with the standards, and are subject to approval by the administrative authority.

I, the undersigned, hereby certify that the site evaluation was made in accordance with the requirements of Sections 701.025-701.059 RSMo and 19 CSR 20-3.060 and 19 CSR 20-3.080, and that the data recorded is correct to the best of my knowledge.

Richard Henderson

Print name

10023

OSE ID #

B. J. Idum

Signature

5-20-21

Date

Important Recommendations for Installers and Homeowners:

Protect the absorption area before and after construction. Do not drive over or store excavated materials on field area etc.

Shallow placed absorption systems utilize more permeable and better-aerated soil horizons.

Do not install soil absorption system when soil is wet.

Redirect surface water, house guttering, and foundation drains away from absorption field.

Establish & maintain adequate vegetative cover over the field.

Regularly inspect, maintain, and pump your sewage system.

Install water saving devices & practice water conservation.

Check for and repair any water leaks as soon as discovered.

Spread out water use, such as laundry, throughout the week.

Restrict garbage disposal use.

Do not put fats or grease into the sewage system.

Keep chemicals and hazardous wastes out of your system.

Use disinfectants and high strength cleaners sparingly.

Do not plan any building improvements, patios, etc. near the sewage system or repair area.

Minimum Set-Back Distances Based on 19 CSR 20-3.060(1)(D) Table 1 [See also (6)(D) for lagoons]

Minimum Distance from	Sewage Tank (feet)	Disposal Area (feet)	Lagoons (feet)
Private water supply well	50	100	100
Public water supply well	300	300	300
Cistern	25	25	25
Spring	50	100	100
Classified stream or lake	50	50	50
Stream or open ditch	25	25	25
Property lines	10	10**	75
Building foundation	5	15	[100]
Basement	15	25	[100]
Swimming pool	15	15	
Pressure water line	10	10	10
Suction water line	50	100	100
Upslope interceptor drain	-	10	
Downslope interceptor drain	-	25	
Embankment or cuts	-	20	
Edge of sink holes	50	100	500
Other absorption system	-	20	20

**Recommend 25 feet from downslope property line.